

IN THE CLAIMS

- 1 1. (currently amended) A method for transferring files among devices in a network,
2 comprising ~~the steps of~~:
3 requesting a transfer of a file from a source device;
4 scheduling the transfer of the file to be completed by a deadline; and
5 transferring the file from the source device to a destination device, wherein the file
6 transfer is complete by the deadline.
- 1 2. (currently amended) The method of claim 1, wherein ~~the step of scheduling includes~~
2 comprises determining available bandwidth ~~[[at]]~~ between the source device and the
3 destination device.
- 1 3. (currently amended) The method of claim 1, wherein ~~the step of scheduling includes~~
2 comprises determining available storage at the destination device.
- 1 4. (original) The method of claim 1, wherein a user at the destination device specifies the
2 deadline.
- 1 5. (currently amended) The method of claim 1, further comprising ~~the step of~~ identifying the
2 file to be transferred from the source device.
- 1 6. (original) The method of claim 5, wherein a user at the destination device identifies the file
2 to be transferred from the source device.
- 1 7. (original) The method of claim 5, wherein a pre-fetch module at the destination device
2 identifies the file to be transferred from the source device.

1 8. (original) The method of claim 7, wherein the pre-fetch module is configured to identify files
2 to be transferred based on observations of user behavior.

1 9. (original) The method of claim 7, wherein the pre-fetch module is configured to identify files
2 to be transferred according to predetermined user preferences.

1 10. (original) The method of claim 1, wherein a device other than the destination device
2 requests the file transfer from the source device.

- 1 11. (original) A system for transferring files among devices in a network, comprising:
2 a destination device configured to send a request for transfer of a file;
3 a source device configured to transfer the file to the destination device; and
4 a scheduling module configured to schedule the transfer of the file from the source
5 device in response to the request.
- 1 12. (original) The system of claim 11, wherein the scheduling module schedules the transfer to
2 be complete by a deadline.
- 1 13. (original) The system of claim 12, wherein a user at the destination device specifies the
2 deadline.
- 1 14. (original) The system of claim 13, wherein a user at the destination device identifies the file
2 to be transferred from the source device.
- 1 15. (currently amended) The system of claim 11, wherein the destination device ~~includes~~
2 comprises a pre-fetch module configured to identify the file to be transferred from the source
3 device.
- 1 16. (original) The system of claim 15, wherein the pre-fetch module is configured to identify
2 files to be transferred based on observations of user behavior.

- 1 17. (original) The system of claim 15, wherein the pre-fetch module is configured to identify
2 files to be transferred according to predetermined user preferences.
- 1 18. (original) The system of claim 11, wherein the scheduling module schedules the transfer
2 of the file based on available bandwidth at the source device and the destination device.
- 1 19. (original) The system of claim 11, wherein the scheduling module schedules the transfer of
2 the file based on available storage at the destination device.
- 1 20. (original) The system of claim 11, wherein the scheduling module schedules the transfer of
2 the file based on available bandwidth in the network.
- 1 21. (original) The system of claim 11, wherein the scheduling module resides at the source
2 device.
- 1 22. (original) The system of claim 11, wherein the scheduling module resides at the destination
2 device.
- 1 23. (original) The system of claim 11, wherein the scheduling module resides in both the
2 destination device and the source device.
- 1 24. (original) The system of claim 11, wherein the scheduling module resides in a cache device
2 in the network.

- 1 25. (original) The system of claim 11, wherein the scheduling module resides in the destination
- 2 device, the source device, and a cache device in the network.

1 26. (currently amended) A method for transferring files among devices in a network,
2 comprising ~~the steps of~~:
3 identifying a file to be transferred to a destination device;
4 selecting a source device to transfer the file; and
5 scheduling the transfer of the file from the selected source device to the destination
6 device.

1 27. (original) The method of claim 26, wherein the source device identifies the file to be
2 transferred.

1 28. (original) The method of claim 27, wherein the source device identifies the file according to
2 a user subscription.

1 29. (original) The method of claim 27, wherein the source device identifies the file according to
2 observations of user behavior transferred from the destination device.

1 30. (currently amended) The method of claim 26, further comprising ~~the step of~~ completing
2 transfer of the file to the destination device by a deadline.

1 31. (original) The method of claim 27, wherein a device in the network that is not the source
2 device or the destination device identifies the file to be transferred.

1 32. (original) The method of claim 31, wherein a user at the device in the network identifies the
2 file to be transferred from the source device to the destination device.

1 33. (original) The method of claim 31, wherein a user at the device in the network determines a
2 deadline for completion of the transfer of the file.

1 34. (currently amended) The method of claim 26, wherein ~~the step of scheduling~~ comprises
2 ~~includes~~ determining available bandwidth at the source device and the destination device.

1 35. (currently amended) The method of claim 26, wherein ~~the step of scheduling~~ comprises
2 ~~includes~~ determining available bandwidth in the network.

1 36. (original) The method of claim 26, wherein the source device is a server.

1 37. (original) The method of claim 26, wherein the source device is a cache device in the
2 network.

- 1 38. (original) A system for delivering content in a network, comprising:
2 a client configured to send a request for delivery of the content;
3 a scheduling module configured to determine a schedule for delivery of the content; and
4 a server configured to deliver the content to the client according to the schedule.
- 1 39. (original) The system of claim 38, wherein the content is delivered to the client without a
2 user being present at the client during delivery.
- 1 40. (original) The system of claim 38, wherein the scheduling module resides at the server.
- 1 41. (original) The system of claim 38, wherein the scheduling module resides at the client.
- 1 42. (original) The system of claim 38, wherein the scheduling module resides in a control
2 server in the network.
- 1 43. (original) The system of claim 42, wherein the control server monitors bandwidth and
2 storage resources in the network and provides bandwidth and storage resources data to the
3 scheduling module.
- 1 44. (original) The system of claim 38, wherein the server attaches digital rights management
2 rules to the content prior to delivery.
- 1 45. (currently amended) The system of claim 38, wherein the client ~~includes~~ comprises a digital
2 rights management module configured to implement digital rights management rules attached
3 to the content.
- 1 46. (original) The system of claim 38, wherein the client is a general-purpose computer.
- 1 47. (original) The system of claim 38, wherein the client is a set-top box.

1 48. (currently amended) The system of claim 38, wherein the request for delivery comprises
2 ~~includes~~ a deadline for delivery, the scheduling module determines a schedule for delivery to
3 meet the deadline, and the server completes delivery of the content to the client by the deadline.

1 49. (currently amended) The system of claim 38, wherein the client comprises ~~includes~~ a pre-
2 fetch module configured to pre-fetch content from the server.

1 50. (original) The system of claim 49, wherein the pre-fetched content is stored in a cache at the
2 client.

1 51. (currently amended) The system of claim 50, wherein the client comprises ~~includes~~ a mini
2 web server ~~that is~~ configured to receive a request for content from a browser, determine that the
3 requested content resides in the cache as pre-fetched content, and send the requested content
4 from the cache to the browser instead of requesting the content from the server.

1 52. (original) The system of claim 50, wherein specifically requested content is stored in the
2 cache at the client.

1 53. (currently amended) The system of claim 52, wherein the client comprises ~~includes~~ a cache
2 management module configured to determine the size of the cache.

1 54. (currently amended) The system of claim 52, wherein the client comprises ~~includes~~ a cache
2 management module configured to organize the content in the cache.

1 55. (currently amended) The system of claim 52, wherein the client comprises ~~includes~~ a cache
2 management module configured to implement cache replacement algorithms to add or remove
3 content from the cache.

- 1 56. (currently amended) The system of claim 50, wherein the client comprises ~~includes~~ a cache
- 2 management module configured to monitor usage of the pre-fetched content in the cache.

1 57. (original) A system for transferring files among devices in a network, comprising:
2 means for requesting a transfer of a file from a source device;
3 means for scheduling the transfer of the file to be completed by a deadline; and
4 means for transferring the file from the source device to a destination device,
5 whereby the file transfer is complete by the deadline.

1 58. (currently amended) A system for transferring files among devices in a network,
2 comprising:
3 a plurality of servers configured to deliver content to the devices in the network;
4 a plurality of clients configured to receive content from the plurality of servers;
5 and
6 a scheduling module configured to determine schedules for delivery of content
7 from the plurality of servers to the plurality of clients, the schedules being based on
8 available bandwidth at the plurality of servers, available bandwidth at the plurality of
9 clients, and available bandwidth in the network between the plurality of servers and
10 clients.